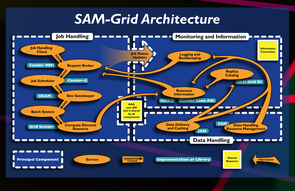
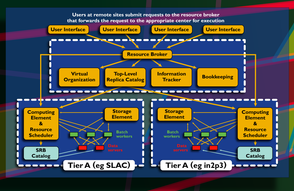
Rear Projection Cutout 49" X 68"

PHYSICS ON THE GRID NOW



PPDG

PPDG projects at Fermilab and SLAC are already applying grid solutions to the problem of massive data distribution and processing.



The SAM-Grid

MONITOR
11.875" X 14.75"

SAM-Grid is being developed to enable physics processing and analysis on computing resources worldwide.

SAM-Grid for CDF & DZero

SAM-Grid -- has been conceived to encompass Grid level job submission and management, information services, and data handling.
The principal features include:

Job Definition and Management:
Based on the Match Making Service of Condor® through collaboration with University of Wisconsin CS Group.

Monitoring and Information Services:
Provides a view of the status and history of the system, as well as the information relevant for job and data management.

Data Handling: The existing SAM system, developed at Fermilab to accommodate high volume data management, plays a principal role in providing Data Handling services to the Job Management

BaBar and the Grid

Grid tools are important in analyzing geographically distributed BaBar data.

PPDG systems, using the Globus toolkit, allow applications to run virtually anywhere because an integrated resource scheduler ensures that applications requirements are met before run-time.

Intelligent data distribution alleviates job scheduling problems. At SLAC data is dynamically replicated in in2p3 in Lyon, France using the Storage Resource Broker, SRB, developed by SDSC.

In the future, other computing centers that are part of the BaBar collaboration will be incorporated to create a production quality data distribution grid enviornment.

BaBar Data Access

MONITOR
11.875" X 14.75"

Distributing Data on the Grid: The SRB is used to distribute BaBar data between two Tier A centers.